



Supplier of Welding Alloys

## Nickel Alloy Coated Electrodes

### Oxford Alloy® 187

**SPECIFICATIONS**

AWS 5.6  
ASME SFA 5.6

**CLASSIFICATIONS**

AWS ECuNi  
UNS W60715

**DESCRIPTION / APPLICATION**

Oxford Alloy 187 is used for shielded-metal-arc welding of wrought or cast 70/30, 80/20, and 90/10 copper-nickel alloys. The weld metal of this electrode resists fouling and corrosion in seawater and is useful for many marine and desalination applications. Dissimilar joints welded with the Oxford Alloy 187 include those between copper-nickel alloys and Monel® alloy 400 or Nickel® 200. This electrode can be operated in all welding positions. The power supply is direct current, electrode positive.

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AWS Chemical Composition						
Ni	Pb	Mn	Fe	Si	Cu+Ag	Ti
29.0-33.0	0.02 max	1.0-2.5	0.40-0.75	0.50 max	Bal	0.50 max
P	OET					
0.020 max	0.50 max					

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 54,500 psi 380 MPa

Yield strength: 37,500 psi 260 MPa

Elongation: 28%

Please contact our sales department for more information at 800-562-3355 or 225-273-4800.

Data contained in this publication are typical of the products and properties described, but are not suitable for specifications.  
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